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C. Van Brunt Esq.

Poughkeepsie Nov. 8<sup>th</sup> 91.

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NEW YORK  
BOTANICAL  
GARDEN.

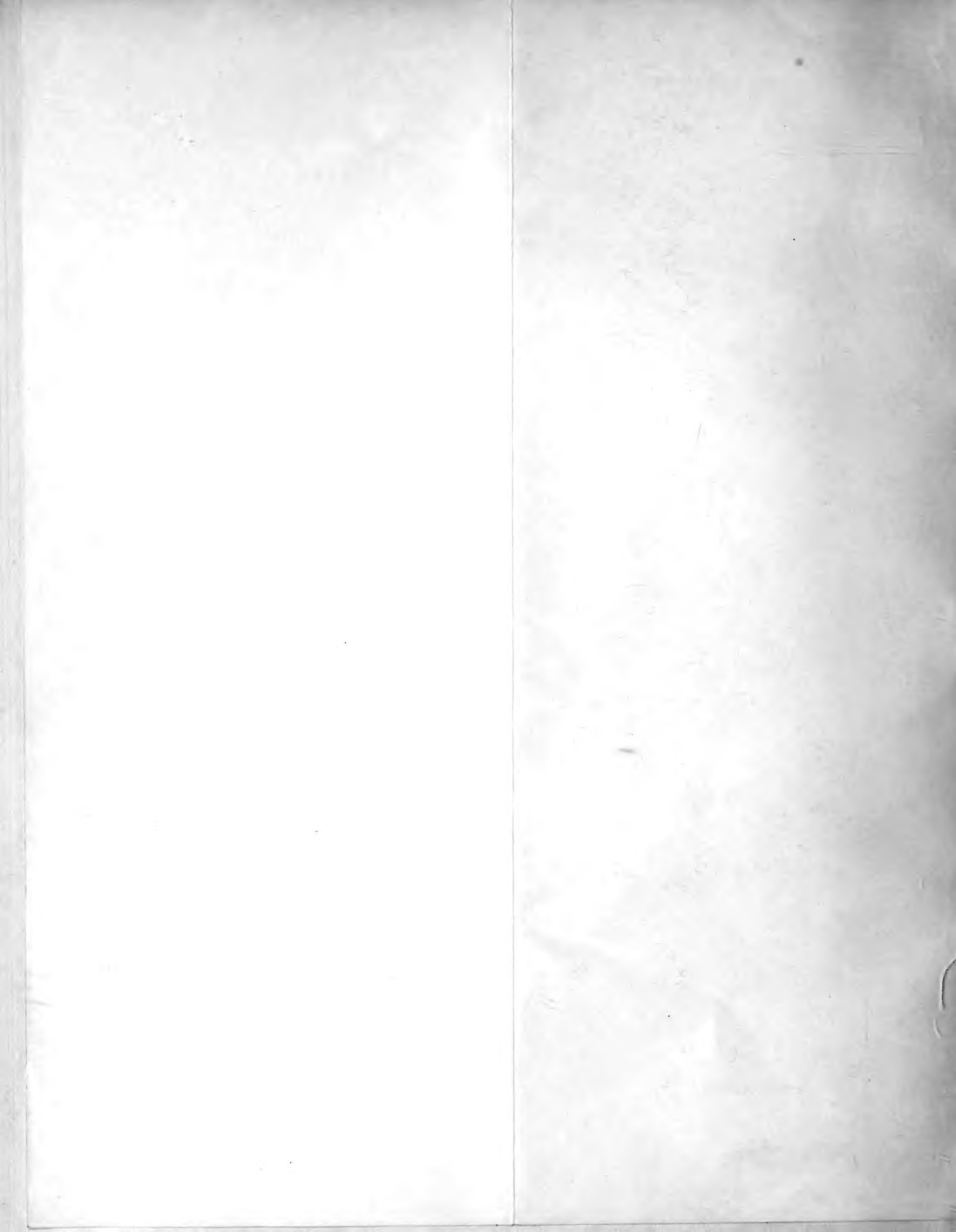
Dear Sir:

The inclosed is a copy of all the figures on my plates which have been determined. I sent a copy of Pl. V to J. D. Cox last spring but haven't heard from it yet: perhaps I tired him out.

I think that I am familiar with all the forms on Pls. VI & VII. As soon as I can get the copy of Habirshaw off my hands I will have time to photograph the remaining forms - Gomphonemas Synedras &c. which will make about 2 plates more with some marine forms like Phaeodroma Adriaticum which occasionally wander up as far as Poughkeepsie.

I am yours sincerely

D. B. Ward.





List of Hudson River diatoms.

Plate I.

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1. *Semirilla robusta* Ehr.
2. " *nobilis*, W.Sm.
3. " *striatula*, Turpin.
4. " *inducta*, A. Schmidt.
- 5, 13, 14. " *linearis*, vars. W.Sm.
6. " *minuta*, Breb.
7. " *ovata*, var. Kg.
8. " *bipons*, Kg.
- 9, 17. " *biseriata* Breb.
10. " *craticula*, Grz. (not a semirilla)
11. " *splendida*, Kg.
12. " *Rattrayi*, A.S.
15. " *cardinalis*, Kitton, (Guatemalensis, limosa)
16. " *trunca*, Grz.

Plate II.

1. *Semirella elegans* Ehr.
2. " *Saxonica*, Auerw.
3. " *splendida* Kg.
4. *Campylodiscus Hibernicus*, Ehr.
5. " *Echinoides*, Ehr.
6. *Semirella Kittonii*, A.S.
7. " *robusta*, Ehr.
8. *Hantzschia* (niz) *amphioxya*, Grm.
9. *Nitzschia marina*, Grm.
10. " *pulra* (K), W.Sm.
11. " *Fryblinnella*, Hantzsch.
12. " " "
13. " *punctata*, (Sm) Grm.

14. *Myrsine marginalis* Griseb.  
 15. " *circumsuta* (Bail.) Griseb.  
 16. *Achimanthus subversilis* Kt.

Plate III.

- 1+2. *Cymbella gasteroides* Kt.  
 3.4.6.7.+10 " *cistula* Ehr.  
 5. *Cocconeis Mexicanum* Ehr.  
 8. *Cymbella excisa* Kt.  
 9. *Cocconeis cornutum* Ehr. (*C. asperum* Ehr.?)  
 11. *Cymbella stomatophora*, Griseb.  
 12. " *curvata* Kt.  
 13. " *Ehrenbergii* Kt.  
 14. *Myrsine sigmoides* (Kt.) N. Sm.  
 15. " *sigm.* var. *elongata* (Kt.) N. Sm.  
 16. *Stauroneis phoenicenteron* E.  
 17.18. " *acuta*, N. Sm.  
 19. " *gracilis* E.  
 20. " *anceps*, E.  
 21. *Encyonema prostratum* Ruffs.  
 22. " *turgidum* (Griseb.) Griseb.  
 23. " *triangulum*, Griseb.

Plate IV.

- 1+3. *Navicula major* Kt.  
 2. " *nobilis* Ehr.  
 4. " *transversa*, A. S.  
 \* 5. " *acrostharis* var.  
 6+7. " *Loriana*, A. S.  
 8.10+11. " *viridis* Kt.  
 12. " *gibba*, Kt.  
 13. " *lymnium*, Ehr.

Plate IV.

14. *Travicula baronina* Ehr.

15. (Atlas 43-12 sp. n. ?)

16. ?

17. 18. 19. + 20 *T. Brittonii* Ks.

21. *T. Americana* Ehr.

22. " (abnormal)

23. " *marina*, Galfs.

24. " *Brittonii* var.

25. " *mesolepta*, var. *stauroneiformis* Lewis.

26. " *cinodis*, n. sp.

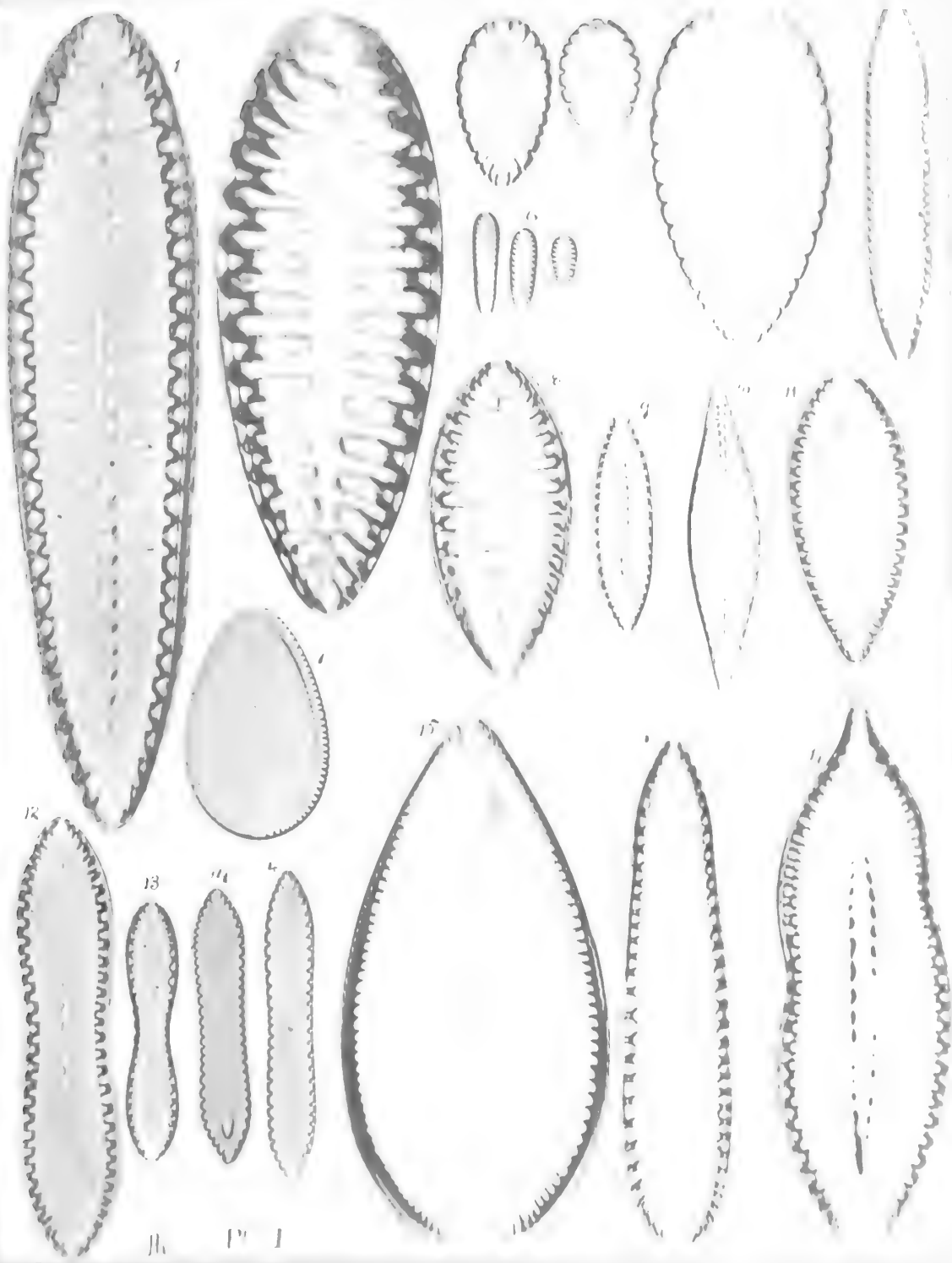
27. " *marina* var.

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\* No. 5 has been named by Chas. A. Trigonocephala

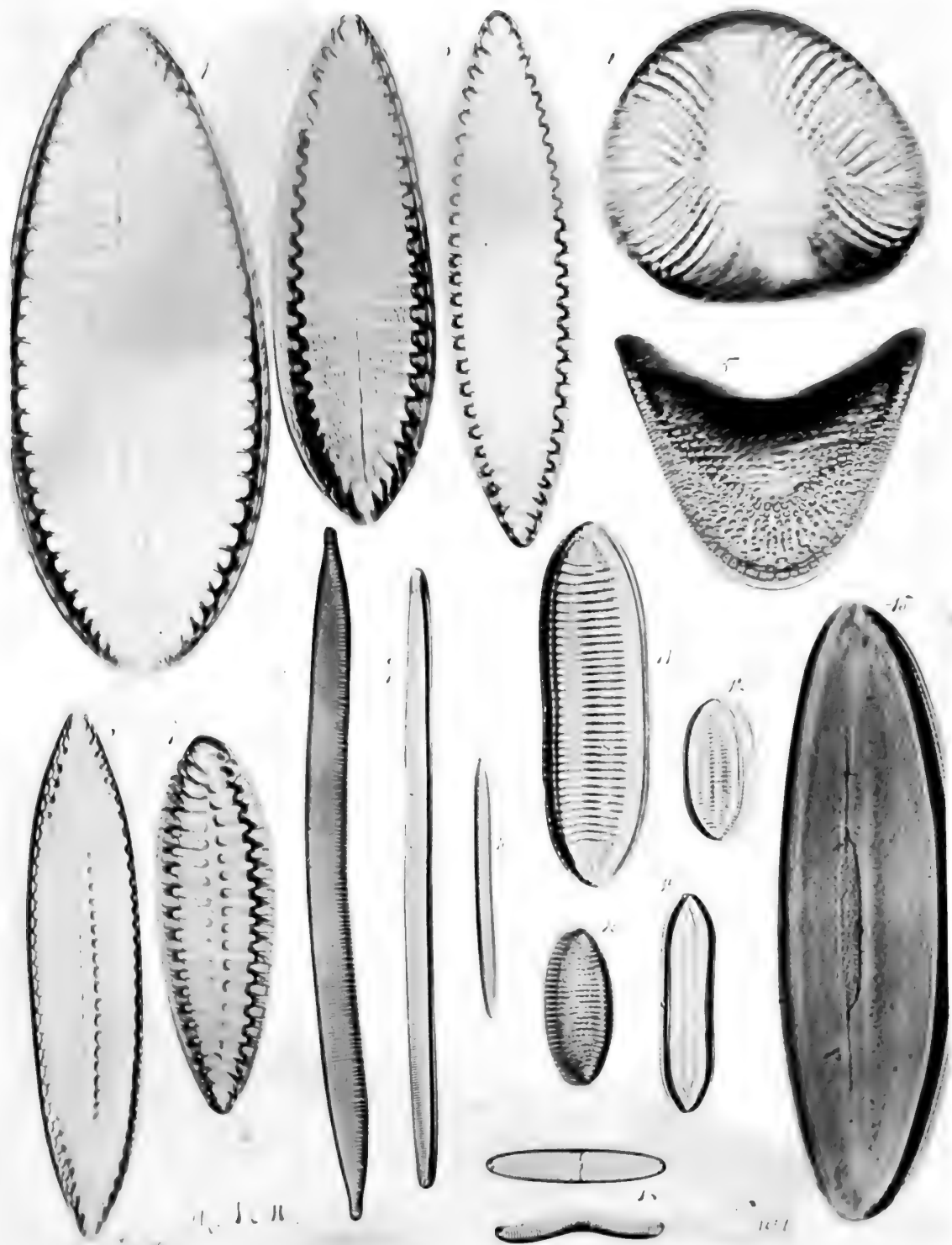


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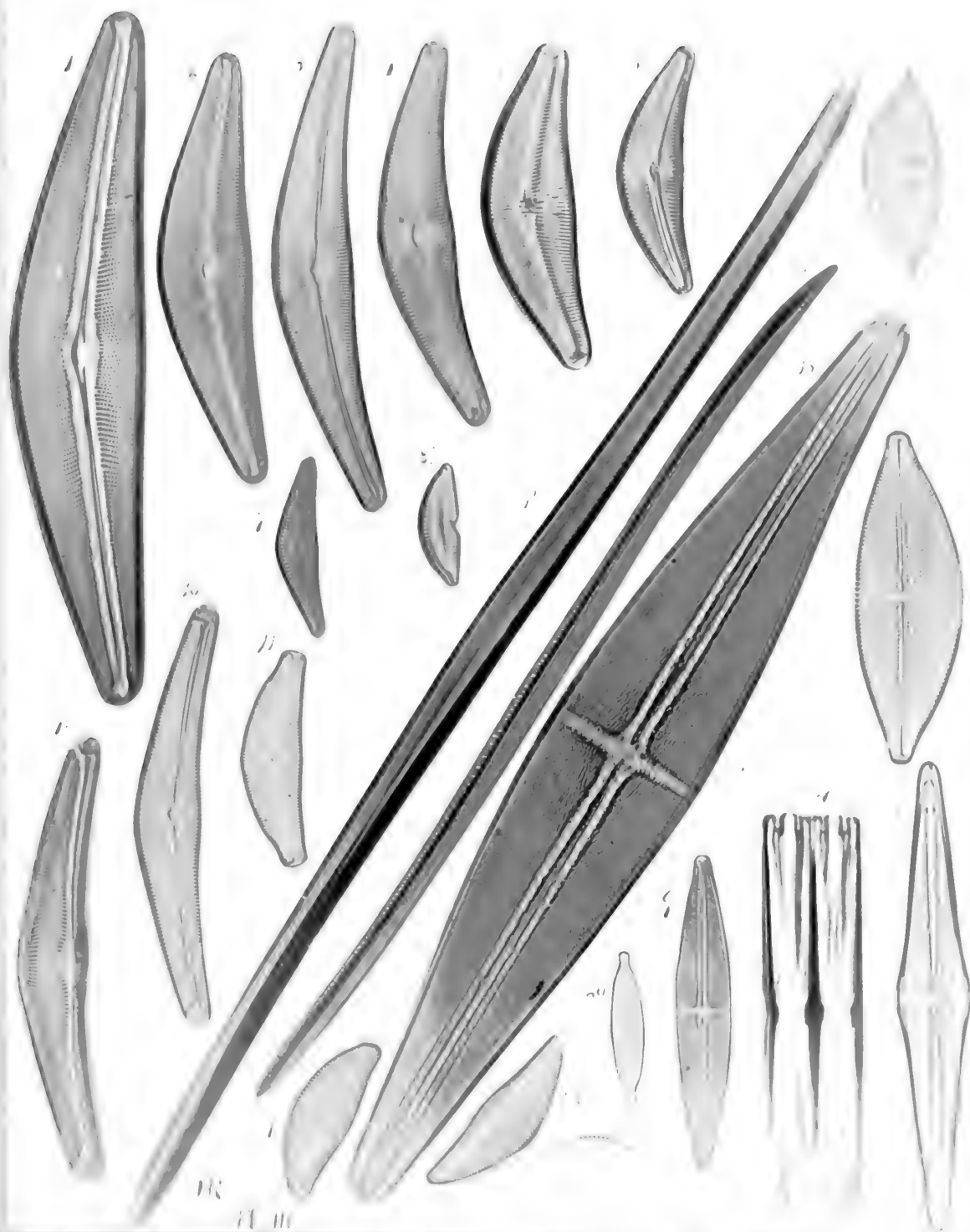
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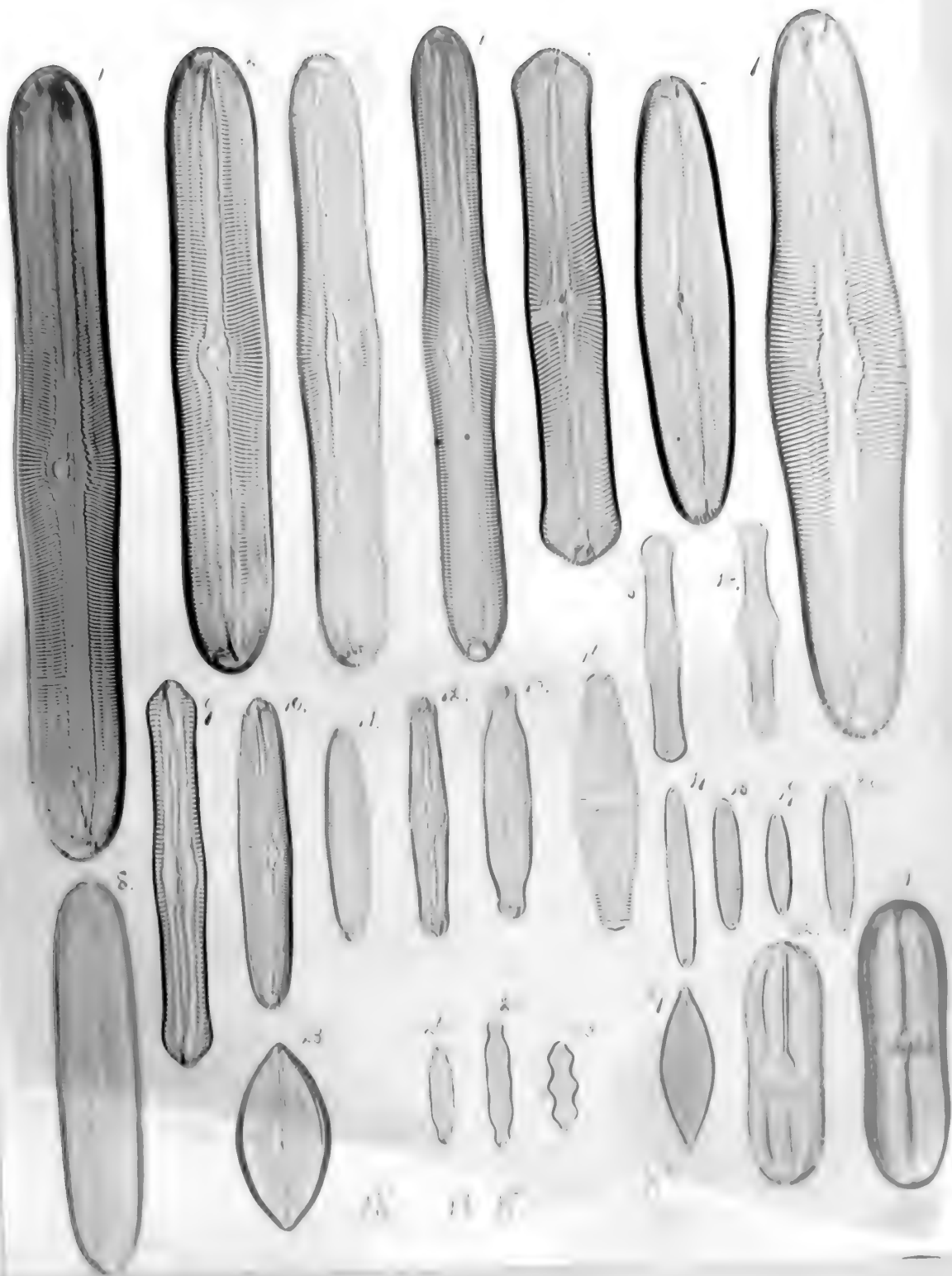


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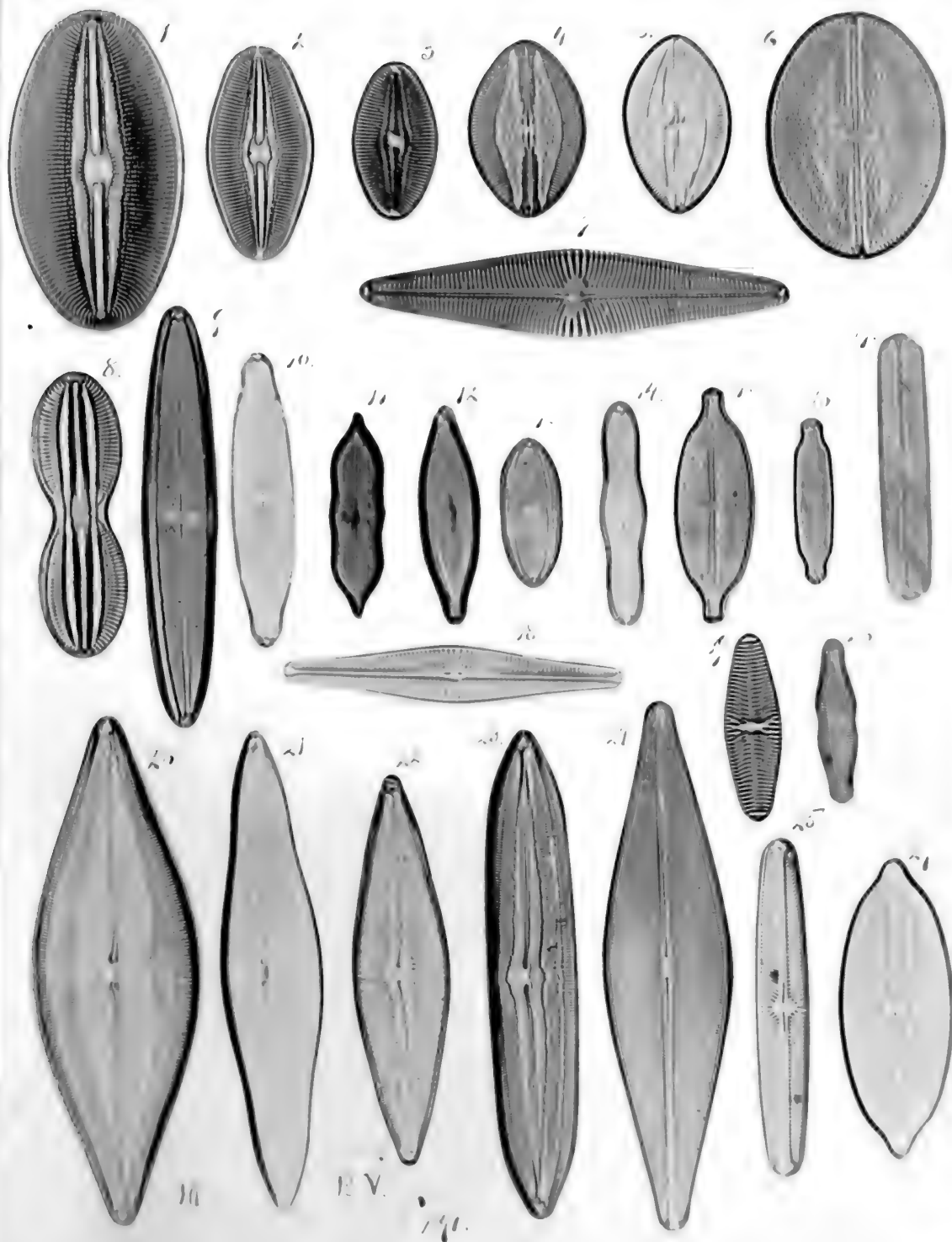


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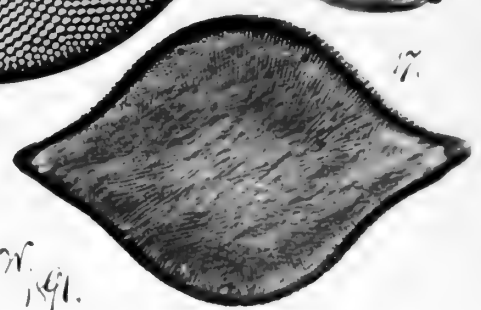
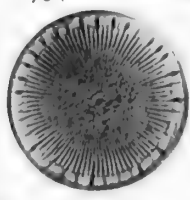
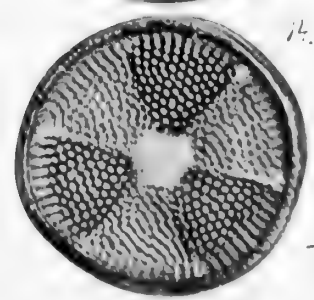
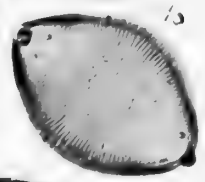
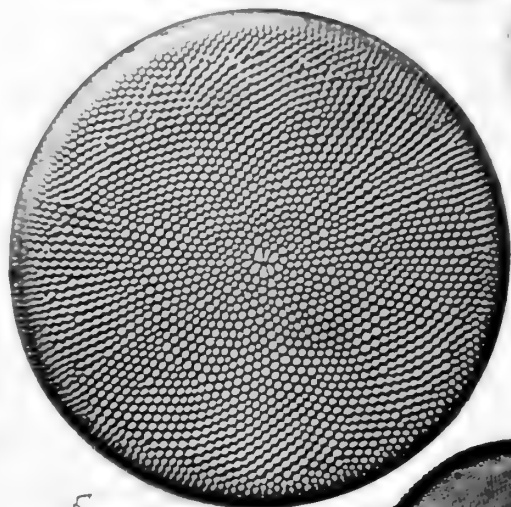
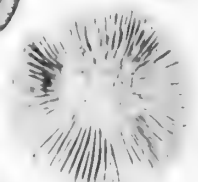
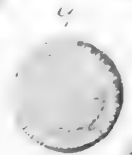
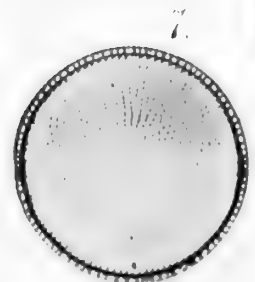
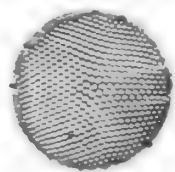
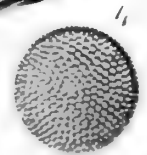
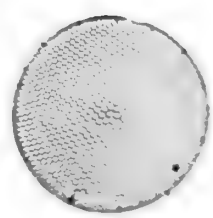
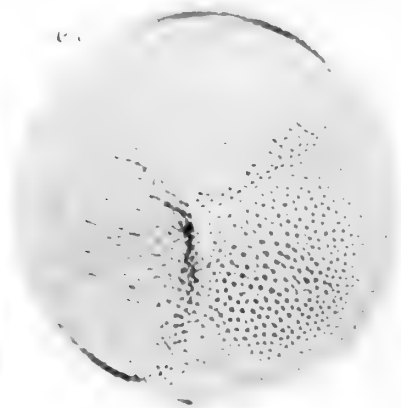
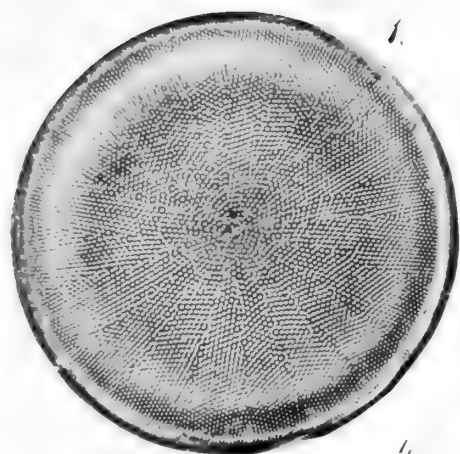


IV  
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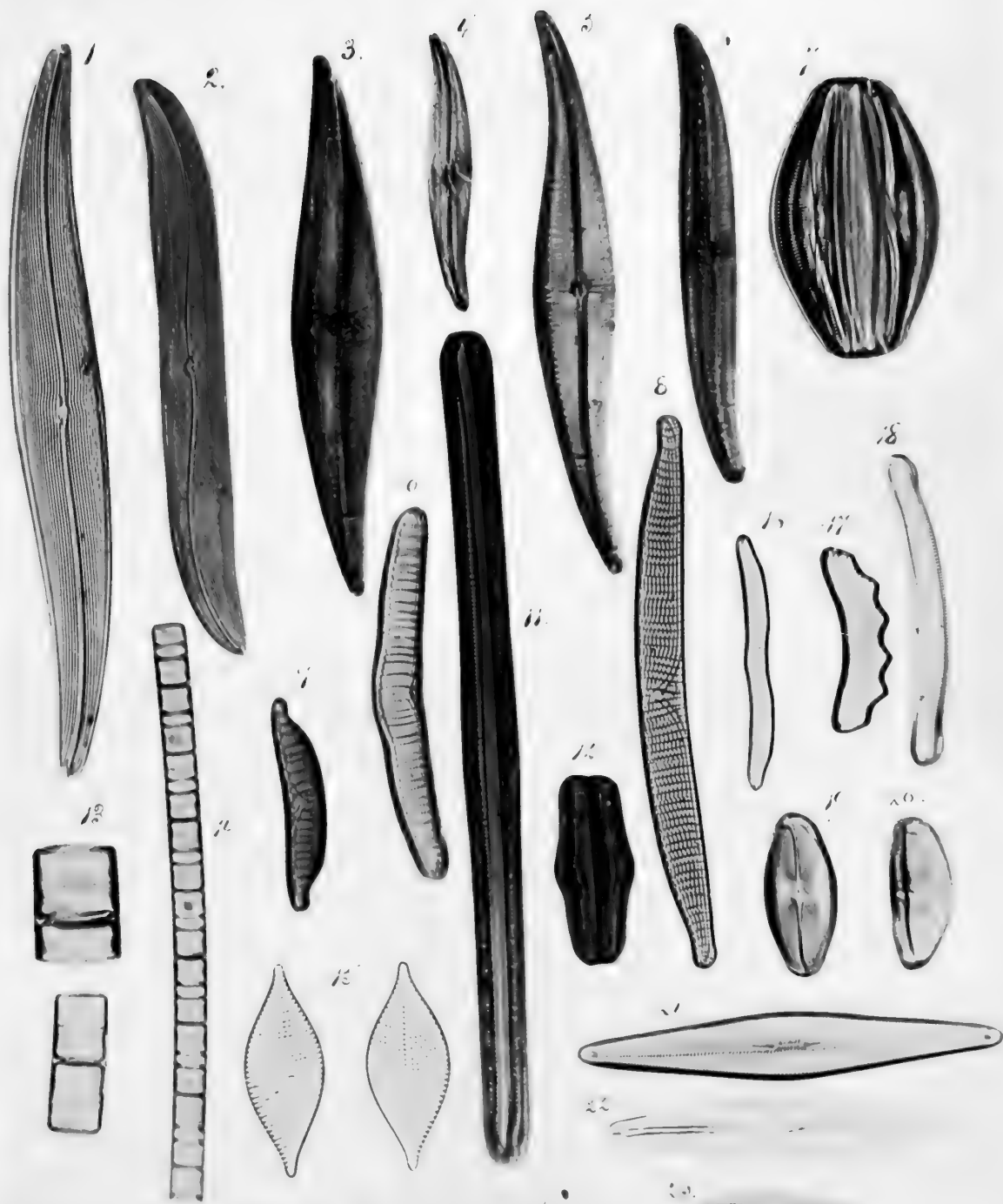




HR.  
R. VI.

N.  
1891.

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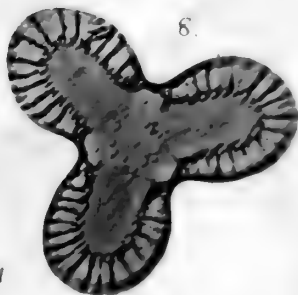
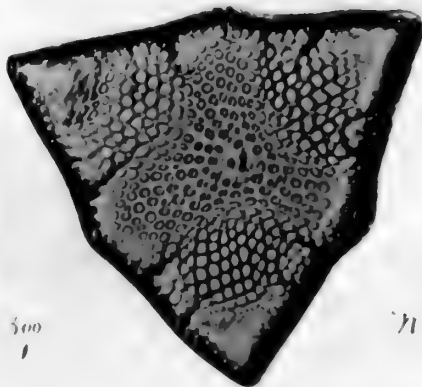
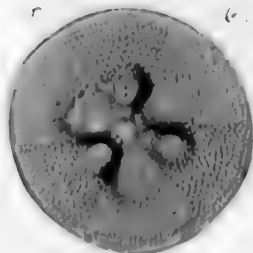
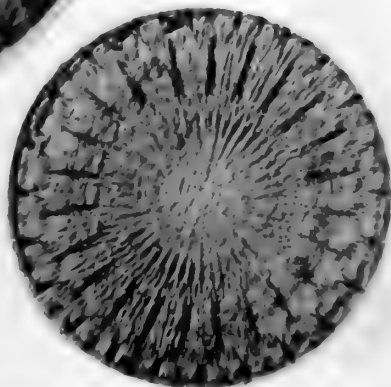
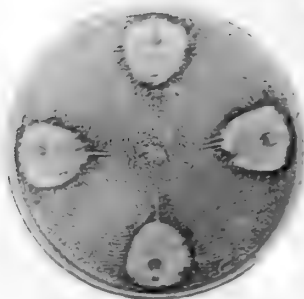
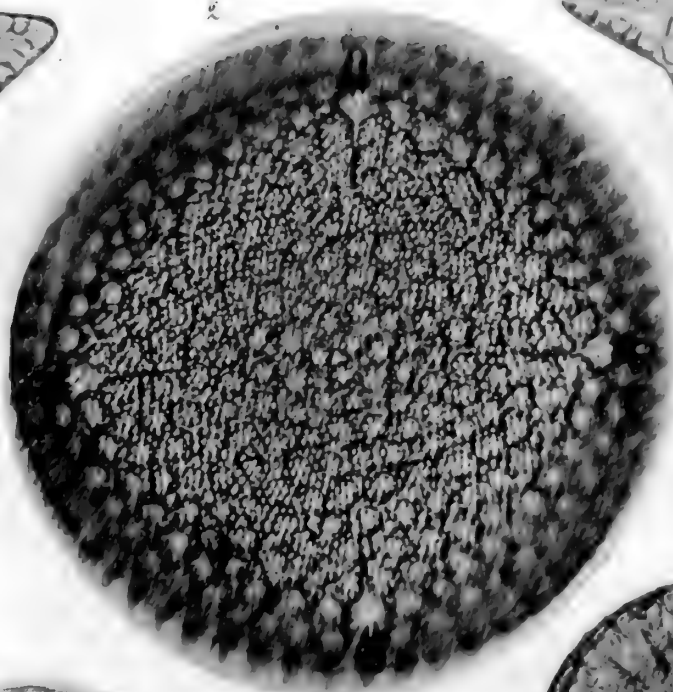
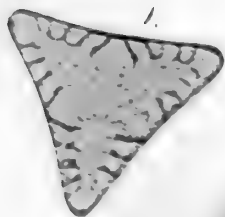


18 R. VII

1861





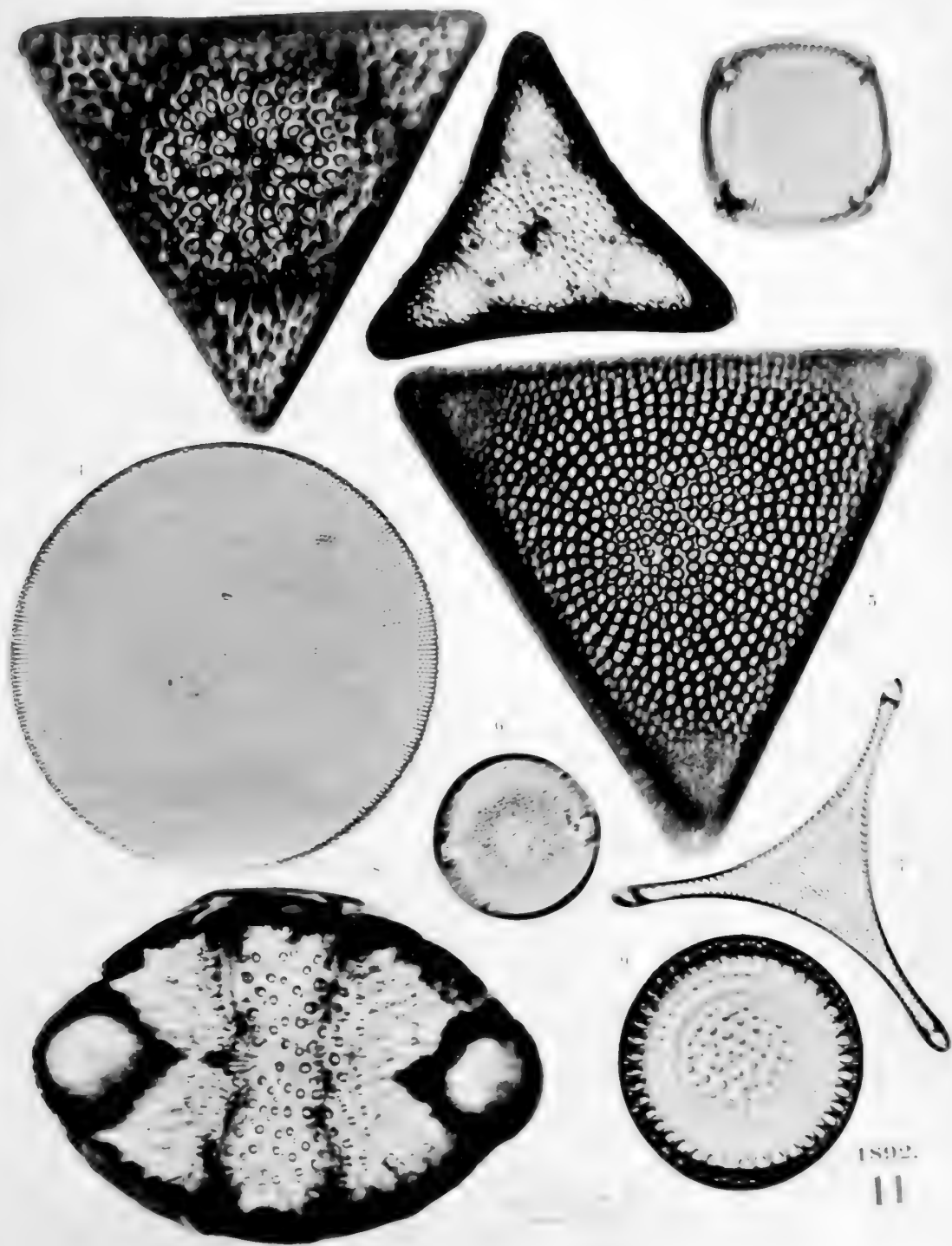


100  
N.

### **PHOTOMICROGRAPHS OF DIATOMS.**

- Fig. 1. *Triceratium picturatum*, Greville, Barbadoes.  
" 2. *Aulacodiscus Thumii*, A. Schmidt, Redondo, Cal.  
" 3. *Triceratium nitescens*, Greville, Oamaru, N. Z.  
" 4. *Aulacodiscus notatus*, Grove & Sturt, Oamaru, N. Z.  
" 5. *Lepidodiscus elegans*, Witt, Sysran, Russia.  
" 6. *Actinoptychus Adamans*, Brun, Barbadoes.  
" 7. *Triceratium Febigerii*, Walker & Chase, Barbadoes.  
" 8. *Triceratium Wittianum*, Truan, Jeremie, Hayti.

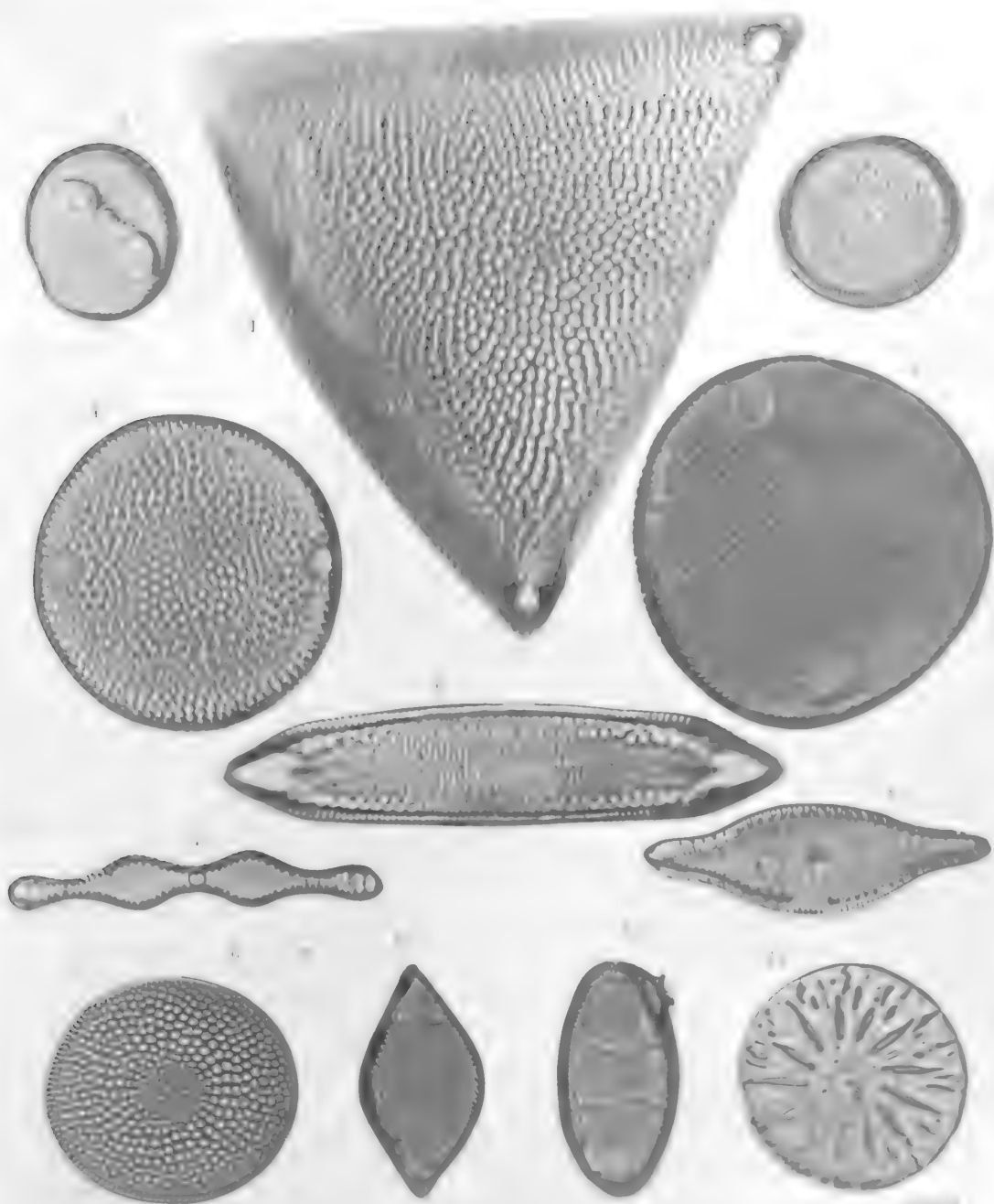
*D. B. WARD, M. D., POUGHKEEPSIE, N. Y.*



1892.

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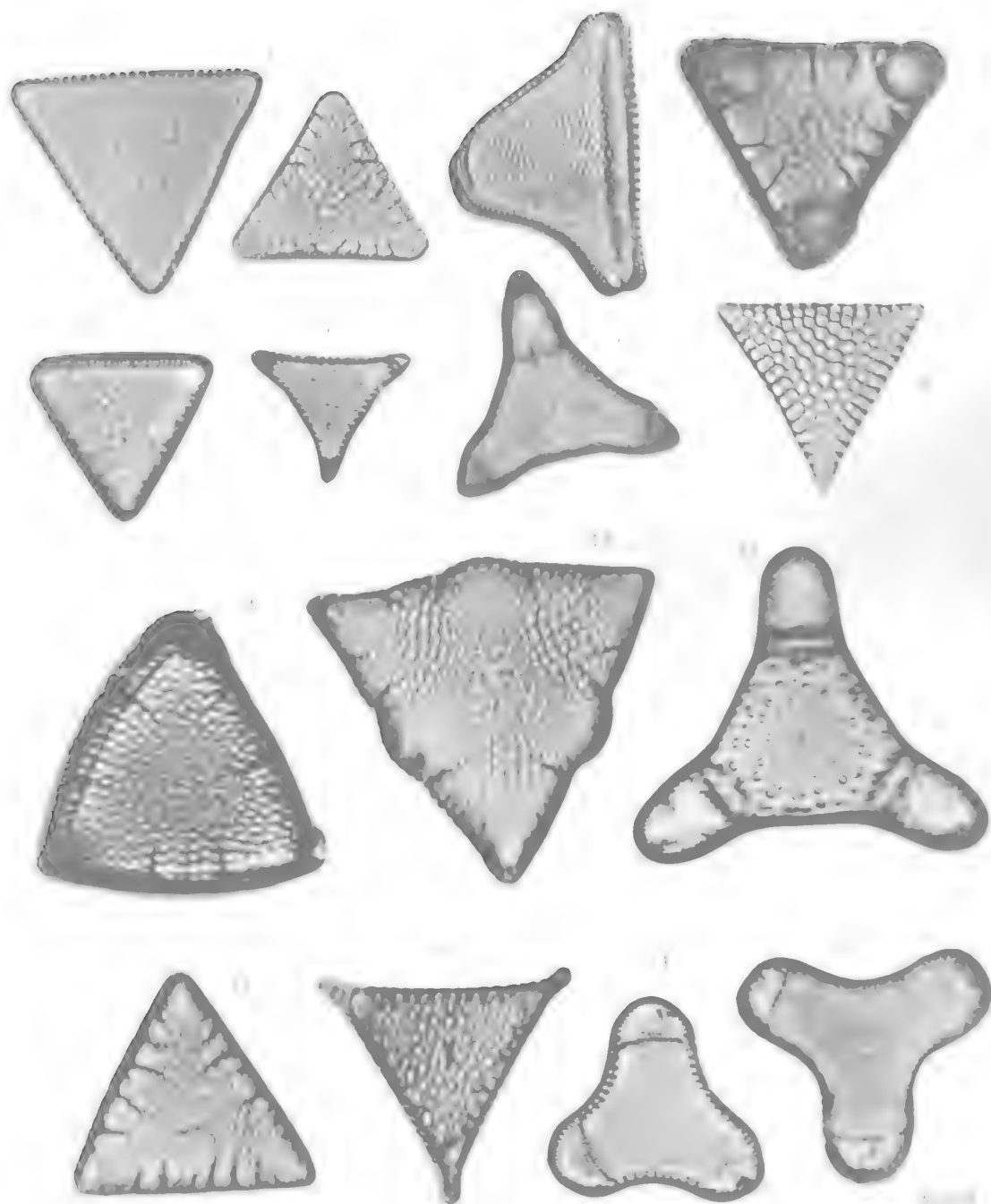
1, 2, 6 & 9 Amurino Russia 11.  
3, 4, & 7 Oamaru, N. Z.  
5 Sendai, Japan.



Barbadoes.

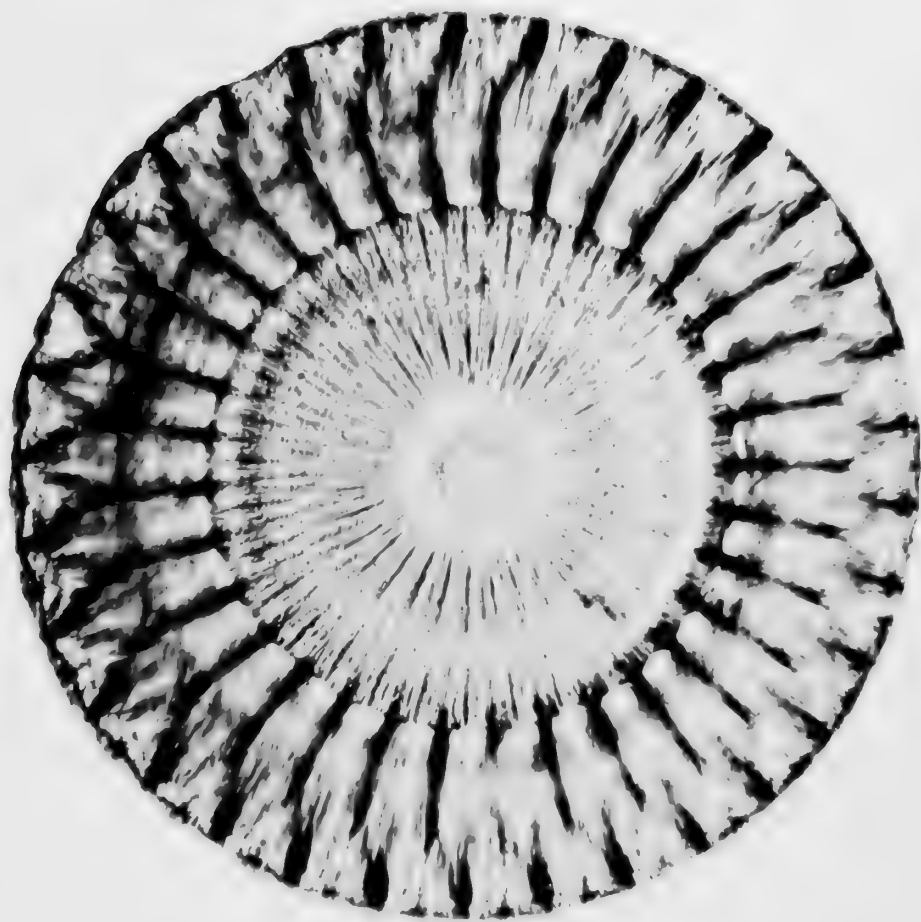






Barbadoes.





*Leptodiscus* (cf. *W. A.*)













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